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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) A process for producing a trialkanolamine having an APHA of not more than 40, comprising:

producing a mixed alkanolamine by (1) a reaction of an alkylene oxide with liquid ammonia in the presence of a zeolite catalyst or (2) a reaction of an alkylene oxide with liquid ammonia in the presence of a zeolite catalyst and a reaction of an alkylene oxide with aqueous ammonia;

removing unreacted ammonia, water, a monoalkanolamine, and a dialkanolamine from the mixed alkanolamine to obtain a mixture deprived of low-boiling substances;

removing a high-boiling substance, which has a boiling point higher than that of the trialkanolamine, by subjecting the mixture deprived of the low-boiling substances to vacuum distillation to obtain a distillate; and

redistilling the distillate obtained by the vacuum distillation using a distillation column without a filler to obtain the trialkanolamine.

- 2. (Original) A process according to claim l, wherein the unreacted ammonia is removed by means of a pressure distillation and/or nitrogen gas bubbling.
- 3. (Previously Presented) A process according to claim 1, wherein the water, the monoalkanolamine, and the dialkanolamine are removed continuously or batchwise by a vacuum distillation.
- 4. (Original) A process according to claim 1, wherein the redistillation is performed batchwise.

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5. (Cancelled)

- 6. (Previously Presented) A process according to claim 1, wherein a distillate obtained by the redistillation is grouped into an initial fraction, an intermediate fraction, and a post fraction, and the intermediate fraction is collected as a trialkanolamine product.
- 7. (Previously Presented) A process according to claim 6, further comprising determining the weight percentage of the trialkanolamine in the distillate before the redistilling step.
- 8. (Original) A process according to claim l, wherein the reaction requires at least part of the mixed alkanolamine to be recycled.
- 9. (Original) A process according to claim 1, wherein the mixed alkanolamine comprises a mono-, di-, and tri-alkanolamine.
- 10. (Previously Presented) A process according to claim 1, wherein the trialkanolamine is triethanolamine, the alkylene oxide is ethylene oxide, the alkanolamine is ethanol amine, the monoalkanolamine is monoethanolamine, and the dialkanolamine is diethanolamine.
- 11. (Previously Presented) A process for refining a trialkanolamine from a mixed alkanolamine obtained by a reaction of an alkylene oxide with ammonia, comprising:

removing unreacted ammonia, water, a monoalkanolamine, and a dialkanolamine from the mixed alkanolamine by fractional distillation to form a raw material trialkanolamine;

adding to the raw material trialkanolamine a low-boiling compound having a boiling point less than that of the trialkanolamine prior to distillation; and

distilling the resultant trialkanolamine using a distillation column without a filler.

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12. (Original) A process according to claim 11, wherein the low-boiling compound is at least one selected from the group consisting of water; alcohols; ketones; esters; diols; and halogenated hydrocarbons.

- 13. (Previously Presented) A process according to claim 12, wherein the low-boiling compound is at least one selected from the group consisting of water, ethanol, methanol, propyl alcohol, isopropyl alcohol, butyl alcohol, t-butyl alcohol, acetone, methylethylketone, ethylene glycol monoacetate, ethylene glycol monoethyl ether acetate, monoethylene glycol, diethylene glycol, and carbon tetrachloride.
- 14. (Previously Presented) A process according to claim 11, wherein the low-boiling compound is at least one selected from the group consisting of water, a monoalkanolamine, and mixtures thereof.
- 15. (Currently Amended) A process according to claim 11, further comprising removing at least a portion of the unreacted ammonia by means of a pressure distillation and/or nitrogen gas bubbling prior to the removing step fractional distillation.
- 16. (Previously Presented) A process according to claim 11, wherein the water, the monoalkanolamine, and the dialkanolamine are removed continuously or batchwise by a vacuum distillation.
- 17. (Previously Presented) A process according to claim 11, wherein the mixed alkanolamine is obtained by (1) a reaction of an alkylene oxide with liquid ammonia in the presence of a zeolite catalyst or (2) a reaction of an alkylene oxide with liquid ammonia in the presence of a zeolite catalyst and a reaction of an alkylene oxide with aqueous ammonia.
- 18. (Original) A process according to claim 11, wherein the mixed alkanolamine comprises a mono-, di-, and tri-alkanolamine.

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19. (Previously Presented) A process according to claim 11, wherein the trialkanolamine is triethanolamine, the alkylene oxide is ethylene oxide, the alkanolamine is ethanol amine, the monoalkanolamine is monoethanolamine, and the dialkanolamine is diethanolamine.